J50 Series Compact Heavy Duty Joystick



For more information about this product, visit our website at: www.potentiometers.com



J50 Series Compact Heavy Duty Joystick

Heavy Duty Joystick Series

Features

- One, Two, or Three Axis Joystick (X,Y, Z)
- 4" handle height
- 60° deflection angle (±30°)
- Many knob options, ball knob standard
- Spring return to center
- Circular deflection pattern
- 10K ohm precision potentiometer
- Protective rubber boot
- IP65 rating above panel
- Panel mounting bracket

Options

- Single Axis (X); Three Axis (X, Y, Z)
- Square limiter plate
- Cross (+) limiter plate
- Friction clutch (holds position, replaces spring return)
- Non-standard resistance
- Center detent
- Center-tapped pots
- Dual gang pots
- Inductive (non contacting) pots
- Sealed pots
- Dual direction switches
- Single direction switch; Center detect switch
- Push button handle; Tapered handle
- Without boot; without mounting plate

Electrical Specifications

Resistance: 10K Ohms Conductive Plastic

Resistance Tolerance: ±15% Independent Linearity: ±3.0% Power Rating: (X, Y) 0.2 watt Lever Electrical Angle: (X,Y) - 60° Resolution: Essentially infinite

Output Smoothness: Below 0.2% against

input voltage

Contact Resistance Variation: Below 5% Insulation Resistance: 1000 Meg@500VDC Dielectric Strength: 1 minute @ 500 VAC Max. Wiper Output: 5mA, 1ma rec.

Mechanical Specifications

Lever Deflection (X,Y): ±30° to ±35°

Operating Force (X, Y): 10.79 to 53.95 oz-F

Housing: Aluminum

Knob Material: Hard plastic

Weight: Approx 11 oz

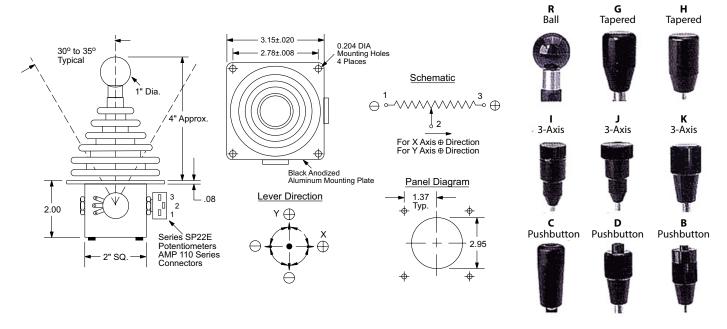
Service Life: 5,000,000 operations

Environmental Specifications

Operating Temperature: -20°C to +65°C

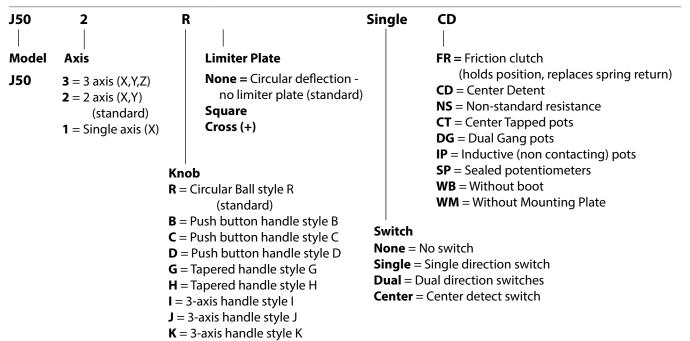
Rating: IP 65 Above Panel

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Ordering Information

Example Part Number: J50-2-R-Single-CD



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